BULLARD WASH AT INDIAN SCHOOL ROAD
FCD GAGE ID# 6868

STATION DESCRIPTION

LOCATION – The gage is located near the intersection of Wigwam Boulevard and Indian School Road. The gage instrumentation is located on the southeast corner of Indian School Road and Bullard Wash. Latitude N 33° 29' 32.9", Longitude W 112° 22' 54.0". Located in the NW1/4 NE1/4 S29 T2N R1W in the Perryville 7.5-minute quadrangle.

ESTABLISHMENT – The gage was installed on June 27, 2006.

DRAINAGE AREA – Not Determined.

GAGE – The gage is a pressure transducer type instrument. The PT is at gage height 0.50 feet relative to 0.00 being the channel invert, with reference to levels of October 31, 2006, and tape up from the invert of the channel following the raising of the PT.

There is no staff gage at this location.

There is no crest gage at this location.

ZERO GAGE HEIGHT – Zero gage height is defined as the low point in the culvert at the transducer gage.

HISTORY – No previous history at this location. Gaging established on June 27, 2006. Pressure transducer raised to 0.50 feet gage height, effective July 15, 2010.

REFERENCE MARKS –

RP1 is a chiseled '+' near the left bank. It is on the wing wall just downstream from the transducer culvert. It is at elevation 5.90 feet gage height levels of October 31, 2006.

CHANNEL AND CONTROL – At the bridge, the channel goes through a wide 10 barrel 11x5 foot culvert. Beyond the bridge culverts, the channel transitions to a mostly uniform trapezoidal shape. There isn't really a low flow control. Higher flows are controlled by the channel.

RATING – The current rating is Rating #1. The rating was developed using two surveyed cross sections and assumed cross sections downstream from the surveyed one. The channel is mostly uniform downstream. The slope was surveyed. These data were used to create a HEC-RAS model for analysis.

DISCHARGE MEASUREMENTS – Low flows could be measured by wading in the channel downstream of Indian School Road. Higher flows may be measured from the bridge at Indian School is there is sufficient runoff.

POINT OF ZERO FLOW – The PZF is 0.00 feet gage height at the left side of the channel near the pressure transducer, levels of October 31, 2006.

FLOODS – A flow of 535 cfs and 2.62 feet gage height occurred on January 21, 2010.

REGULATION – None known.

DIVERSIONS – None known

ACCURACY – Fair

JUSTIFICATION – Monitor flows in Bullard Wash for the Bullard Flood Warning Plan.

UPDATE – July 13, 2011
D. E. Gardner